

No.



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Louisiana State University Agricultural Center

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HERETO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE

PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT, IN THE UNITED STATES SEED OF THIS VARIETY

(1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RICE

'CL161'

In Testimony Whereof, I have hereunto set my hand
and caused the seal of the Plant Variety
Protection Office to be affixed at the City of
Washington, D.C. this eleventh day of March, in
the year two thousand and five.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER

LSU AgCenter

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

P.O. Box 1429
Crowley, LA 70527-1429
RAD 9/4/04

1373 Caffey Road
Rayne, LA 70578

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME

CFX18

3. VARIETY NAME

CL161

FOR OFFICIAL USE ONLY

PVPO NUMBER

2002 00198

FILING DATE

June 26, 2002

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)

8. IF INCORPORATED, GIVE STATE OF INCORPORATION

9. DATE OF INCORPORATION

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)

Steve Linscombe
P.O. Box 1429
Crowley, LA 70527-1429
RAD 9/4/04

1373 Caffey Road
Rayne, LA 70578

FILING AND EXAMINATION FEES:

\$ 2705

DATE 6/26/02

CERTIFICATION FEE:

\$ 432.00

DATE 10/12/04

11. TELEPHONE (Include area code)

337/788-7531

12. FAX (Include area code)

337/788-7553

13. E-MAIL

slinscombe@agctr.lsu.edu

14. CROP KIND (Common Name)

Rice

15. GENUS AND SPECIES NAME OF CROP

Oryza sativa

16. FAMILY NAME (Botanical)

Gramineae

17. IS THE VARIETY A FIRST GENERATION HYBRID?

 YES NO

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act)

YES (If "yes", answer items 20 and 21 below) NO (If "no", go to item 22)

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? YES NO

IF YES, WHICH CLASSES? FOUNDATION REGISTERED CERTIFIED

21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? YES NO

IF YES, SPECIFY THE FOUNDATION REGISTERED CERTIFIED NUMBER 1,2,3, etc.

(If additional explanation is necessary, please use the space indicated on the reverse.)

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES?

 YES NO

IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is/are the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is/are informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER

SIGNATURE OF OWNER

NAME (Please print or type)

STEVE LINS COMBE

NAME (Please print or type)

RICE Breeder

DATE

5/28/02

CAPACITY OR TITLE

DATE

200200198

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 (2) the details of subsequent stages of selection and multiplication;
 (3) evidence of uniformity and stability; and
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 (1) identify these varieties and state all differences objectively;
 (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice*, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

SALE

June 2001 - Foundation Seed - USA only

Seed transferred on Oct. 17, 2001.

RAO 9/29/04

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent.))

USA 09/14/1999 S952SS3

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the *Regulations and Rules of Practice*.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed/sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

EXHIBIT A**ORIGIN AND BREEDING HISTORY OF THE VARIETY**

CL161 is a pureline variety that was selected from an induced mutation population from the rice variety Cypress. The line was selected for resistance to the herbicide imazethapyr. The mutation then conferred resistance to imazethapyr was created by soaking seed of the variety Cypress in a solution containing ethyl methane sulfonate (EMS). EMS has been widely used as an agent to induce mutations in plants. A large number of seed of the variety Cypress were treated then these seed were grown to produce a second generation of seed (after mutagenesis). These seed were then planted and the resulting plants were treated with imazethapyr. One plant survived this treatment. This plant was retested and found to, in fact, be resistant to the herbicide treatment. CL161 was selected from a homogeneous population of imazethapyr-resistant lines derived from this one resistant plant. It was headrowed for one generation at the LSU AgCenter's Rice Research Station in Crowley, Louisiana, and two generations at the Breeding Project's winter nursery facility at the University of Puerto Rico's Research Station at Lajas. In each generation, the plants were sprayed with .250 lb/A active ingredient of imazethapyr to confirm resistance to the herbicide. The line was tested at the Rice Research Station in 2000. It was entered into the Louisiana commercial-advanced rice testing program in 2001 and tested at seven statewide locations. Breeder seed from the headrow increase was grown in Puerto Rico during the winter of 2000-2001, and foundation seed was produced at the Rice Research Station during the summer of 2001. Selection criteria for this line included imazethapyr resistance, earliness, yield, grain quality, and ratoon production.

CL161 has been observed to be uniform and stable for three generations.

Variants observed and removed from increase fields included any combination of the following: non-imazethapyr resistant, taller, shorter, pubescent, earlier, later, and medium grain. The total number of variants numbered less than 1 per 5000 plants. The variety Cypress is not resistant to imazethapyr.

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EXHIBIT B

STATEMENT OF DISTINCTNESS

CL161 is an early maturing imazethapyr resistant, long-grain rice variety. The line originated from a selection of an induced mutant population from the variety Cypress. Cypress is an early maturing, long-grain variety developed by the LSU AgCenter's Rice Research Station and released in 1992. In testing, the line has averaged 90 days to 50% heading compared with 91 for Cypress and 84 for CL121. In those same tests, it has averaged 97 cm in height compared with 91 for Cypress.

CL161 most closely resembles the rice variety Cypress. In fact, CL161 is phenotypically very similar to Cypress and difficult to differentiate in the field. However, Cypress is not resistant to imazethapyr and CL161 is highly resistant to imazethapyr. CL161 has been evaluated for resistance to imazethapyr for six generations and the resistance is at a high level and is very stable.

CL161 differs from all conventional rice varieties (including 'Adair' and 'Millie') by the fact that it is resistant to imazethapyr and these conventional varieties are not.

**U.S. DEPARTMENT OF AGRICULTURE
PLANT VARIETY PROTECTION OFFICE, AMS, USDA
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 500
10301 BALTIMORE Blvd.
BELTSVILLE, MD 20705**

OBJECTIVE VARIETY DESCRIPTION RICE (*Oryza sativa*)

Name of Applicant(s)	Temporary Designation	Variety Name
Steve Linscombe	CFX18	CL161
Address (Street and No. or R.F.D. No., City, State, and Zip Code)	FOR OFFICIAL USE ONLY	
Louisiana State University Agricultural Center Rice Research Station P. O. Box 1429 Crowley, LA 70527-1429	PVPO Number	200200198

Place the appropriate number that describes the character of this variety in the spaces provided below. These numbers are also code numbers corresponding to descriptors developed by IBGR-IRRI Rice Advisory Committee and the US Rice Crop Advisory Committee. Breeders will demonstrate novelty more readily by describing as many characters as is possible.

1. MATURITY - Days to Heading (Seeding to 50% Heading).

A. South: (Location: Louisiana, Crowley) at 160 kg/ha (Nitrogen rate)

90 Number of days

1 Days earlier than Check variety: **Cypress**

Days same as Check variety:

6 Days later than Check variety: CL121

B. California: (Location: _____) at _____ kg/ha (Nitrogen rate)

Number of days

Days earlier than Check variety: _____

Days same as Check variety: _____

Days later than Check variety: _____

Maturity Class (50% heading) - California: 1 = Very early (less than 91 days) 2 = Early (91 - 97)
3 = Intermediate (98 - 104) 4 = Late (more than 104 days)

2. CULM:

ANGLE (Degrees from Perpendicular after Flowering):

1 = Erect (less than 30°) 3 = Intermediate (about 45°) 5 = Open (about 60°)
 7 = Spreading (more than 60° but the culms do not rest on the ground)
 9 = Procumbent (the culm or its lower part rests on the ground surface)

2. CULM: (continued)

LENGTH

9 3 cm (Soil level to top of extended panicle on main stem)

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1 3 cm Shorter than Check variety: Earl

Length same as Check variety: _____

5 cm Longer than Check variety: CL1212 HEIGHT CLASS: 1 = Semidwarf 2 = Short 3 = Medium 4 = Tall2 INTERNODE COLOR (After flowering): 1 = Green 2 = Light Gold 3 = Purple lines 4 = Purple3 STRENGTH (Lodging resistance): 1 = Strong (no lodging) 3 = Moderately strong (most plants leaning)
5 = Intermediate (most plants lodged) 7 = Weak (most plants flat)
9 = Very weak (all plants flat)

3. FLAG LEAF (After Heading):

3 4 cm LENGTH 1 1 mm WIDTH1 PUBESCENCE: 1 = Glabrous 2 = Intermediate 3 = Pubescent3 LEAF ANGLE (after heading): 1 = Erect 3 = Intermediate 5 = Horizontal 7 = Descending2 BLADE COLOR: 1 = Pale Green 2 = Green 3 = Dark Green 4 = Purple tips
5 = Purple margins 6 = Purple blotch 7 = Purple1 BASAL LEAF SHEATH COLOR: 1 = Green 2 = Purple lines 3 = Light purple 4 = Purple

4. LIGULE:

8 mm LENGTH (from base of collar to the tip, at late vegetative stage)1 COLOR (Late vegetative state): 1 = White 2 = Purple lines 3 = Purple1 SHAPE: 1 = Acute to acuminate 2 = 2-Cleft 3 = Truncate1 COLLAR COLOR (late vegetative stage): 1 = Pale green 2 = Green 3 = Purple1 AURICLE COLOR (late vegetative stage): 1 = Pale green 2 = Purple

5. PANICLE:

1 7 cm LENGTH5 TYPE: 1 = Compact 5 = Intermediate 9 = Open2 SECONDARY BRANCHING: 1 = Absent 2 = Light 3 = Heavy 4 = Clustering2 EXsertion (near maturity): 1 = Less than 90% 2 = 90 - 99% 3 = 100% exserted1 AXIS: 1 = Straight 2 = Droopy3 SHATTERING: 1 = Very low (less than 1%) 3 = Low (1 - 5%) 5 = Moderate (6 - 25%)
7 = Moderately high (26 - 50%) 9 = High (more than 50%)3 THRESHABILITY: 1 = Difficult 2 = Intermediate 3 = Easy

6. GRAIN (Spikelet):

200200198 00198

1 AWNS (after full heading): 0 = Absent 1 = Short and partly awned 5 = Short and fully awned
7 = Long and partly awned 9 = Long and fully awned

6 APICULUS COLOR (at maturity): 1 = White 2 = Straw 3 = Brown (tawny) 4 = Red
5 = Red apex 6 = Purple 7 = Purple apex

1 STIGMA COLOR: 1 = White 2 = Light green 3 = Yellow 4 = Light purple 5 = Purple

0 LEMMA AND PALEA COLOR (at maturity):

0 = Straw	1 = Gold and/or gold furrows on straw background	2 = Brown spots on straw (piebald)
3 = Brown furrows on straw	4 = Brown (tawny)	5 = Reddish to light purple
6 = Purple spots on straw	7 = Purple furrows on straw	8 = Purple
9 = Black	10 = White	

1 LEMMA AND PALEA PUBESCENCE: 1 = Glabrous 2 = Hairs on lemma keel 3 = Hairs on upper portion
4 = Short hairs 5 = Long hairs (velvety)

1 SPIKELET STERILITY (at maturity): 1 = Highly fertile (>90%) 3 = Fertile (75-90%) 5 = Partly sterile (50-74%)
7 = Highly sterile (<50% to trace) 9 = Completely sterile (0%)

7. GRAIN (Seed):

2 SEED COAT (bran) COLOR: 1 = White 2 = Light brown 3 = Speckled brown 4 = Brown
5 = Red 6 = Variable purple 7 = Purple

1 ENDOSPERM TYPE: 1 = Nonglutinous (nonwaxy) 2 = Glutinous (waxy) 3 = Indeterminate

1 ENDOSPERM TRANSLUCENCY: 1 = Clear 5 = Intermediate 9 = Opaque

1 ENDOSPERM CHALKINESS: 0 = None 1 = Small (less than 10% of sample)
5 = Medium (10-20% of sample) 9 = Large (more than 20% of sample)

0 SCENT (Aroma): 0 = Nonscented 1 = Lightly scented 2 = Scented

SHAPE CLASS (length/width ratio):

3 PADDY 1 = Short (2.2:1 and less) 2 = Medium (2.3:1 to 3.3:1) 3 = Long (3.4:1 and more)

3 BROWN 1 = Short (2.0:1 and less) 2 = Medium (2.1:1 to 3.0:1) 3 = Long (3.1:1 and more)

3 MILLED 1 = Short (1.9:1 and less) 2 = Medium (2.0:1 to 2.9:1) 3 = Long (3.0:1 and more)

MEASUREMENTS:

Grain Form	Length (mm)	Width (mm)	Thickness (mm)	L/W Ratio	1000 Grains (grams)
Paddy	<u>9.18</u>	<u>2.50</u>	<u>1.87</u>	<u>3.67</u>	<u>20.1</u>
Brown	<u>7.01</u>	<u>2.18</u>	<u>1.60</u>	<u>3.21</u>	<u>17.4</u>
Milled	<u>6.83</u>	<u>2.12</u>	<u>1.58</u>	<u>3.22</u>	<u>16.9</u>

19 Milling quality (% hulls) 66 Milling yield (% whole kernel (head) rice to rough rice)

7.8 % Protein 21.8 % Amylose

Alkali Spreading value: _____ 1.5% KOH Solution 4.1 1.7% KOH Solution

7. GRAIN (Seed): (continued)

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5 GELATINIZATION TEMPERATURE TYPE: 1 = High 5 = Intermediate

7 = Low

Amylographic Paste Viscosity (Brabender Units)			
Peak	Hot Paste	Cooled Paste	'Breakdown' 'Setback'
440	300	700	150/260

8. RESISTANCE TO LOW TEMPERATURE:

2 GERMINATION AND SEEDLING VIGOR: 1 = Low 2 = Medium 3 = High
2 FLOWERING (Spikelet fertility): 1 = Low 2 = Medium 3 = High

9. SEEDLING VIGOR NOT RELATED TO LOW TEMPERATURE

3 VIGOR: 1 = Low 2 = Medium 3 = High

10. BLAST RESISTANCE (*Pyricularia Oryzae*). (International races found under references)

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

11. RESISTANCE TO OTHER DISEASES:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

- | | | | |
|----------|---|----------|---|
| <u>7</u> | Narrow Brown Leaf Spot <i>Cercospora oryzae</i> | <u>-</u> | Aggregate Sheath Spot <i>Rhizoctonia oryzae-sativae</i> |
| <u>7</u> | Leaf Smut <i>Entyloma oryzae</i> | <u>3</u> | Straight Head |
| <u>7</u> | Brown Leaf Spot <i>Helminthosporium oryzae</i>
(<i>=Bipolaris oryzae</i>)
(<i>=Drechslera oryzae</i>) | <u>7</u> | Kernel Smut <i>Neovossia horrida</i>
(<i>=Tilletia barclayana</i>) |
| <u>-</u> | Leaf Scald <i>Gerlachia oryzae</i> | <u>-</u> | White Tip Nematode <i>Aphelenchoides besseyi</i> |
| <u>-</u> | Hoja Blanca Virus | <u>5</u> | Stem Rot <i>Sclerotium oryzae</i> |
| <u>-</u> | Sheath Rot <i>Sarocladium oryzae</i> | <u>-</u> | |
| <u>-</u> | Pythium Seedling Blight <i>Pythium</i> sp. | <u>-</u> | Bacterial Blight <i>Xanthomonas campestris</i> pv. <i>oryzae</i> |
| <u>7</u> | Sheath Spot <i>Rhizoctonia oryzae</i> | <u>7</u> | Sheath Blight <i>Rhizoctonia solani</i> |
| | Other: | | |

12. INSECT RESISTANCE:

0 = Immune 1 = Resistant 3 = Moderately resistant 5 = Intermediate 7 = Moderately susceptible 9 = Susceptible

- | | | | | |
|---|-----------------|------|----------|--|
| — | Grasshopper | 1200 | <u>9</u> | Rice Stink Bug <i>Oebalus pugnax</i> |
| — | Rice Leafhopper | 1200 | <u>—</u> | Swarm Caterpillar |
| — | Rice Hispa | 1200 | <u>9</u> | Rice Water Weevil <i>Lissorhoptrus oryzophilus</i> |
| — | Rice Midge | 1200 | <u>8</u> | Rice Stalk Borer <i>Chilo plejadellus</i> |
| — | Least Skipper | 1200 | <u>—</u> | Sugarcane Borer <i>Diatraea saccharalis</i> |

13. OTHER DESCRIPTORS: If there are other characters that describe this variety, please indicate below:

200200198

REFERENCES

1. C. R. Adair *et al.* 1972. Rice in the United States: Varieties and Production. USDA Handbook No. 289 (Rev.), 124 pp.
 2. J. G. Atkins *et al.* 1967. An International Set of Rice Varieties for Differentiating Race of *Pyricularia Oryzae*. *Phytopath.* 57:297-301.
 3. IBPGR-IRRI Rice Advisory Committee. 1980. Descriptors for Rice *Oryza sativa L.*). International Rice Research Institute. 21 pp.
 4. K. C. Ling and S. H. Ou, 1969. Standardization of the International Race Numbers of *Pyricularia Oryzae*. *Phytopath.* 59:339-342.
 5. B. D. Webb *et al.* 1985. Utilization Characteristics and Qualities of United States Rice. In Proceedings on Rice Grain Quality and Marketing. International Rice Research Institute (IRRI), Los Banos, Philippines. p. 25-35.
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ENTRY	SOURCE	VIG	DAYS	LDG	INCH	YLD	WHOLE	TOTAL
236	EARL	3	81		41	9198	68.9	71.2
256	RU 9901081	3	80		39	9015	63.9	68.9
220	XP 1003	5	80		42	8540	62.5	70.5
227	0002146	5	80		40	8462	67.4	70.4
247	LAGRUE	4	80		43	8316	64.5	69.7
237	BENGAL	3	81		38	8140	68.6	70.5
219	9802028	4	83		41	7640	68.6	70.4
241	WELLS	3	82		40	7625	66.2	71.6
214	0002174	4	82		34	7588	68.6	71.7
243	DREW	3	83		42	7514	69.0	71.2
222	XP 1015	4	75		43	7404	62.5	70.2
209	0102002	4	76		35	7333	65.0	71.3
257	RU 0001151	4	81		39	7332	70.3	71.5
229	LL 001	4	83		36	7328	71.8	73.4
244	JACKSON	3	79		40	7326	64.6	69.0
217	0102068	4	85		37	7322	69.2	71.2
212	0102022	3	81		37	7283	68.8	71.9
211	0102008	3	78		36	7233	67.0	70.7
258	RU 0104073	5	82		37	7225	67.1	69.6
240	COCODRIE	4	80		36	7191	64.7	69.7
224	9902195	5	83		36	7171	66.9	70.9
234	99LL 355	4	81		35	7162	68.4	71.5
208	9802051	4	80		33	7102	67.8	70.4
213	0102034	4	80		33	7094	69.1	71.7
230	LL 401	3	81		35	7044	70.1	72.3
255	AHRENT (9901030)	4	77		41	7038	65.1	69.0
206	0002011	5	80		35	7035	70.7	73.0
251	TORO-2	3	84		43	7025	68.3	71.1
203	CL 141	4	80		41	6937	65.8	70.8
210	0102005	4	79		34	6916	66.0	69.9
250	PRISCILLA	4	80		35	6898	66.5	69.8
226	0002140	4	85		38	6857	63.6	67.8
238	LAFITTE	4	79		38	6845	70.1	71.1
245	JEFFERSON	4	74		37	6812	63.8	69.9
204	CL 161	5	84		38	6807	68.1	69.9
231	LL 601	3	81		34	6778	71.8	73.3
246	MAYBELLE	4	74		39	6752	62.8	69.1
215	0102048	4	83		37	6724	70.3	71.6
218	0102071	4	82		32	6708	69.7	72.2
216	0102065	5	82		36	6580	69.3	71.5
235	99LL 624	4	79		34	6575	67.4	70.5
207	0002062	4	83		35	6518	66.5	70.1
228	0002125	5	87		38	6513	67.8	70.8

ENTRY	SOURCE	VIG	DAYS	LDG	INCH	YLD	WHOLE	TOTAL
202	CL 121	4	75		37	6491	67.2	71.1
233	99LL 184	3	79		34	6476	68.0	71.3
232	99LL 113	4	79		35	6378	67.2	71.5
259	RU 9903092	4	80		37	6338	69.6	71.9
242	CYPRESS	5	83		35	6296	70.8	71.8
260	RU 9803181	5	82		35	6276	70.0	72.3
205	CFX 29	4	81		38	6259	69.1	70.7
201	CF 51	4	75		34	6016	66.0	70.1
252	DELLROSE	5	81		39	5994	68.9	70.8
221	9902134	5	85		40	5984	68.4	71.6
248	SABER (TX 6178)	3	81		37	5963	67.0	68.5
223	9902155	5	85		39	5912	71.0	72.6
249	LEMONT	5	84		35	5911	70.9	72.5
239	S-102	5	72	47	40	5250	66.5	71.0
225	0002137	4	85		40	5174	62.2	68.5
253	DELLA	4	83	60	49	4836	61.2	69.6
254	DELLMATI	5	75	43	44	4644	62.6	71.2
C.V. 5		17.0	1.6		4.1	7.7	2.4	1.4
LSD (0.05)		1.1	2.0		2.5	859.8	3.4	2.0

RCW
200200198

11

ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	SB	YLD-2	TOTAL YIELD
227	0002146	4	79	40		9914	6	1690	11605
219	9802028	4	84	40		8918	7	1634	10552
223	9902155	5	84	37		8459	5	1705	10164
247	LAGRUE	5	78	43		8764	7	1053	9817
221	9902134	5	80	40		9189	6	568	9758
256	RU 9901081	4	79	40		9045	6	662	9706
217	0102068	5	79	36		8122	7	1434	9556
237	BENGAL	4	85	36		8605	6	918	9523
250	PRISCILLA	4	77	38		8350	7	1149	9499
229	LL 001	4	84	34		8468	5	869	9337
245	JEFFERSON	4	72	36		7547	7	1776	9323
228	0002125	4	84	37		8025	5	1136	9162
224	9902195	5	82	36		8368	6	767	9135
213	0102034	5	77	32		6296	9	2813	9109
241	WELLS	4	79	41		8289	6	712	9000
236	EARL	3	82	41	50	8619	6	336	8956
259	RU 9903092	5	78	35		7066	7	1871	8937
230	LL 401	4	84	35		8096	5	819	8915
244	JACKSON	7	77	43		7652	7	1196	8848
211	0102008	4	76	35		7400	7	1400	8799
208	9802051	4	77	33		7527	8	1269	8796
257	RU 0001151	5	82	35		7690	6	1065	8754
231	LL 601	3	84	35		7690	6	1016	8706
226	0002140	5	84	38		8154	6	542	8696
238	LAFITTE	4	78	38	17	7555	7	1015	8570
203	CL 141	4	78	44	7	7348	8	1206	8554
207	0002062	4	79	33		7116	7	1397	8513
258	RU 0104073	6	80	37		7541	8	950	8491
212	0102022	4	80	36		7702	8	768	8470
260	RU 9803181	6	79	35		7264	7	1170	8434
251	TORO-2	4	82	45	23	7743	6	684	8427
214	0002174	5	81	33		7569	8	696	8264
202	CL 121	5	76	36		7090	7	1158	8248
215	0102048	4	80	35		7652	8	531	8183
209	0102002	6	77	35		7306	7	836	8141
248	SABER (TX 6178)	3	79	36		6640	8	1439	8079
243	DREW	5	81	43	10	7411	8	664	8074
206	0002011	4	77	35	7	6693	8	1181	7874
255	AHRENT (9901030)	4	75	38		6860	8	1012	7872
210	0102005	4	80	34		7236	8	627	7863
216	0102065	5	83	36		7291	8	554	7845
234	99LL 355	4	80	35		6611	8	1202	7813
235	99LL 624	4	79	35	7	6951	8	846	7797

ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	SB	YLD-2	TOTAL YIELD
233	99LL 184	3	79	34		6366	8	1322	7689
218	0102071	4	80	31		6889	8	743	7632
252	DELLROSE	5	78	37	17	6293	7	1291	7584
240	COCODRIE	5	78	35		6356	8	1210	7566
246	MAYBELLE	4	71	41	30	6705	8	792	7497
242	CYPRESS	4	82	35		6634	8	817	7450
232	99LL 113	4	79	34		6414	8	934	7348
204	CL 161	5	81	36		6387	8	629	7016
249	LEMONT	4	81	38	17	6559	8	367	6926
220	CFX 001	5	83	34		6171	8	741	6912
225	0002137	5	83	40	23	6205	7	690	6895
239	S-102	5	68	38	87	6613	8	268	6881
205	CFX 29	4	81	37	10	6083	8	696	6779
222	CFX 002	4	81	37	23	5690	8	782	6473
201	CF 51	5	77	34	20	5673	8	567	6240
253	DELLA	5	83	54	77	5741	6	407	6149
254	DELLMATI	5	72	42	53	4507	8	1158	5665
C.V. %		12.3	1.4	4.0		6.6		29.2	7.4
LSD (0.05)		0.9	1.8	2.4		777.8		447.4	985.3

FEB 2002

APR 2002

2001 CA - LAKE ARTHUR

200200198
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ENT	SOURCE	VIG	DAYS	INCH	YLD	LDG	SB	RNB	WHOLE	TOTAL	YLD-2	TOTAL YIELD
220	XP 1003	4	78	43	9601		7	1	58.6	70.3	3640	13241
227	0002146	4	79	42	9476		5	1	62.9	67.6	3300	12776
222	XP 1015	5	73	44	7508	33	7	2	59.0	70.4	4401	11908
223	9902155	4	84	41	7912		7	1	59.6	64.2	2968	10880
219	9802028	4	83	44	7620		6	2	63.3	66.9	3248	10868
241	WELLS	4	79	41	8362	7	7	3	61.1	70.1	2247	10608
258	RU 0104073	5	79	39	7801		6	2	62.4	69.3	2781	10582
243	DREW	3	80	44	8308		7	1	66.7	70.7	2209	10517
245	JEFFERSON	5	70	37	7667	10	7	5	65.0	71.3	2845	10512
212	0102022	3	79	41	7659		7	0	68.2	72.8	2725	10385
247	LAGRUE	3	78	44	7318		7	6	53.3	65.5	2987	10306
221	9902134	5	83	44	7398		4	1	59.4	65.4	2663	10061
236	EARL	3	81	45	8068	60	6	1	64.6	68.1	1781	9849
242	CYPRESS	4	80	36	7295		6	2	65.3	69.9	2510	9805
257	RU 0001151	4	83	38	7019		7	1	63.0	66.2	2776	9795
229	LL 001	3	84	36	6953		7	6	63.3	67.2	2819	9772
230	LL 401	4	85	36	7136		6	4	67.2	69.8	2557	9694
259	RU 9903092	4	78	35	6400		7	1	63.2	70.1	3279	9680
214	0002174	4	81	36	7525		7	4	62.3	68.6	2051	9576
260	RU 9803181	5	79	36	6937	13	7	0	65.6	70.4	2623	9560
244	JACKSON	5	77	45	7131		8	5	58.3	67.5	2341	9472
240	COCODRIE	4	74	37	7301		7	3	62.4	70.0	2112	9413
215	0102048	4	82	37	7261		7	4	67.5	70.6	2112	9373
237	BENGAL	3	84	38	6379		6	5	64.2	68.0	2939	9318
256	RU 9901081	3	78	43	7082		6	6	59.9	68.6	2219	9301
210	0102005	5	78	35	7249		7	1	64.6	70.8	2030	9279
233	99LL 184	4	76	37	7001		8	3	63.4	70.4	2263	9264
234	99LL 355	4	75	38	7140		7	1	63.2	69.6	2119	9259
216	0102065	4	84	39	7482		7	3	61.4	67.2	1695	9177
232	99LL 113	4	76	38	6730		8	3	63.4	70.3	2298	9029
208	9802051	3	78	36	6653		7	5	59.0	67.4	2357	9010
252	DELLROSE	5	79	38	6260		6	1	65.7	70.9	2748	9008
211	0102008	3	76	37	7033		8	2	68.1	71.8	1970	9004
231	LL 601	3	83	36	6467	7	7	4	34.2	67.9	2520	8987
246	MAYBELLE	4	70	41	6884	10	8	7	63.4	71.5	2038	8922
207	0002062	4	76	37	6441		7	0	63.2	71.3	2474	8915
238	LAFITTE	4	77	39	6836		5	0	67.3	69.9	1901	8737
213	0102034	4	78	34	6781	13	7	1	66.0	70.4	1931	8713
224	9902195	4	81	35	6751		7	5	64.9	70.9	1958	8709
217	0102068	4	83	39	7107		7	2	61.3	67.4	1539	8646
235	99LL 624	3	74	36	6856		7	2	64.4	71.2	1734	8589
248	SABER (TX 6178)	3	77	37	5970		6	0	68.8	71.4	2608	8578
249	LEMONT	4	83	36	6264		7	2	66.4	71.8	2297	8561

ENT	SOURCE	VIG	DAYS	INCH	YLD	LDG	SB	RNB	WHOLE	TOTAL	YLD-2	TOTAL YIELD
206	0002011	4	73	39	6996	47	8	3	67.4	72.2	1558	8554
255	AHRENT (9901030)	4	73	42	6992		6	2	65.6	70.1	1503	8495
209	0102002	5	74	37	6300	7	7	5	61.5	68.9	2103	8403
204	CL 161	4	79	37	6511	20	8	1	66.7	71.4	1890	8402
218	0102071	5	81	33	6640		7	3	61.8	68.4	1731	8370
205	CFX 29	4	79	39	6522	33	8	4	68.3	72.4	1771	8294
251	TORO-2	4	83	43	6549		6	0	61.4	69.7	1615	8164
203	CL 141	3	78	46	6057	10	7	6	62.2	69.3	1983	8040
202	CL 121	4	72	36	6215		7	5	66.6	72.1	1610	7825
225	0002137	4	83	40	5657		7	1	51.5	66.2	1952	7609
226	0002140	4	82	40	5859		7	3	58.0	67.0	1316	7175
201	CF 51	4	74	36	5499	17	8	5	60.2	69.2	1457	6955
250	PRISCILLA	5	77	37	5578		5	6	45.7	64.5	1346	6924
254	DELLMATI	5	69	43	3479	90	7	1	60.7	70.6	2012	5491
253	DELLA	4	84	54	4108	87	6	1	58.3	67.7	1133	5240
228	0002125	4	84	38	3468		7	7	37.5	56.6	1476	4944
239	S-102	4	71	38	3503		8	8	55.9	68.3	1293	4795
C.V. %		14.1	1.4	3.9	8.8				10.1	2.0	23.8	9.5
LSD (0.05)		0.9	1.7	2.5	963.8				10.5	2.3	866.5	1380.9

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL
236	EARL	4	80	41	9159		64.4	68.1
256	RU 9901081	4	80	38	9127		62.0	68.3
247	LAGRUE	4	78	40	8482		60.0	67.6
219	9802028	4	81	41	8261		66.7	69.6
220	XP 1003	5	76	40	8077	30	60.1	69.2
227	0002146	4	79	39	8033		64.7	67.3
212	0102022	4	78	36	8005		63.9	69.7
217	0102068	4	82	36	7829		65.3	68.3
214	0002174	4	80	33	7823		63.0	67.6
222	XP 1015	5	72	42	7730	70	59.4	70.0
240	COCODRIE	4	77	35	7721		64.2	69.3
257	RU 0001151	4	79	36	7638		67.8	70.0
211	0102008	4	75	35	7625		63.2	68.1
251	TORO-2	3	80	41	7605		66.0	69.6
243	DREW	4	81	41	7571		65.3	69.6
241	WELLS	4	80	38	7563		61.7	68.2
237	BENGAL	4	80	37	7457		68.1	70.9
206	0002011	4	76	35	7327		65.1	70.3
244	JACKSON	4	77	41	7276		60.6	68.3
209	0102002	4	74	34	7241		60.7	70.4
224	9902195	5	83	34	7230		62.7	68.0
208	9802051	3	78	34	7230		64.4	68.8
210	0102005	4	77	35	7229		63.0	69.1
233	99LL 184	4	79	36	7204		63.5	69.0
216	0102065	4	76	33	7164		64.9	69.8
218	0102071	4	81	32	7159		64.1	70.0
203	CL 141	4	79	44	7139		64.4	68.2
238	LAFITTE	4	75	37	7137		65.9	67.8
229	LL 001	3	79	34	7076		66.8	70.0
234	99LL 355	4	78	35	7071		65.5	69.9
202	CL 121	4	72	36	7071		63.5	69.3
258	RU 0104073	5	79	36	7065		65.1	68.3
231	LL 601	4	80	35	7059		68.6	71.3
230	LL 401	4	81	33	7001		67.1	70.2
204	CL 161	4	81	36	6997		64.1	67.5
215	0102048	4	80	36	6993		65.4	68.8
213	0102034	4	78	33	6960		67.6	70.5
235	99LL 624	4	77	33	6949		64.4	69.4
232	99LL 113	4	78	35	6926		66.2	70.5
228	0002125	4	85	37	6894		61.9	67.3
221	9902134	5	86	38	6859		63.9	68.2
207	0002062	4	78	34	6843		62.1	67.5
245	JEFFERSON	5	73	36	6836		65.0	69.6
250	PRISCILLA	4	79	38	6751		62.0	69.0
255	AHRENT (9901030)	4	76	41	6747		60.8	67.3
205	CFX 29	4	81	37	6745		65.4	69.1
242	CYPRESS	4	83	34	6729		64.7	67.0

2001 CA - ACADIA

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL
226	0002140	4	84	38	6712		59.8	65.9
239	S-102	4	70	39	6597	80	68.3	71.8
223	9902155	4	83	37	6592		65.0	67.8
260	RU 9803181	5	80	34	6565		65.9	69.4
201	CF 51	5	75	34	6361		65.0	70.2
259	RU 9903092	4	75	33	6150		64.5	69.0
249	LEMONT	4	84	32	6086		64.9	70.5
253	DELLA	4	82	50	6008		61.9	67.4
252	DELLROSE	5	79	38	5887		66.5	69.8
246	MAYBELLE	4	70	38	5852	80	60.4	67.6
248	SABER (TX 6178)	4	80	37	5689		66.3	68.1
225	0002137	4	84	38	5634		56.0	65.1
254	DELLMATI	5	72	42	4359	30	62.4	67.6
C.V. %		11.6	1.2	4.0	7.6		2.2	1.1
LSD (0.05)		0.8	2.4	1.5	871.2		2.8	1.6

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READY
FOR
SALVAGE

17

ENTRY	SOURCE	DAYS	INCH	YLD	LDG
257	RU 0001151	73	41	10994	
236	EARL	74	44	10800	43
256	RU 9901081	74	44	10683	
220	XP 1003	76	48	10609	3
237	BENGAL	76	41	10457	
221	9902134	72	42	10350	
222	XP 1015	69	51	10137	
224	9902195	75	42	10086	
223	9902155	77	44	9916	
227	0002146	70	42	9912	
217	0102068	80	41	9897	
219	9802028	78	42	9723	
214	0002174	77	38	9467	
247	LAGRUE	75	46	9433	
212	0102022	76	42	9425	
206	0002011	73	42	9413	
211	0102008	73	41	9298	
241	WELLS	75	43	9214	
229	LL 001	77	42	9213	
240	COCODRIE	74	41	9187	
216	0102065	75	41	9154	
218	0102071	79	35	9136	
233	99LL 184	75	42	9062	
231	LL 601	77	37	9061	
235	99LL 624	74	40	8984	
234	99LL 355	75	40	8945	
213	0102034	75	37	8940	
228	0002125	82	44	8932	
230	LL 401	77	37	8916	
210	0102005	73	38	8836	
209	0102002	70	40	8810	
215	0102048	79	41	8809	
204	CL 161	78	42	8794	
205	CFX 29	77	42	8754	3
207	0002062	75	42	8717	
243	DREW	78	49	8572	
226	0002140	74	40	8564	
238	LAFITTE	72	41	8540	
242	CYPRESS	78	41	8519	
249	LEMONT	79	37	8517	
258	RU 0104073	79	40	8387	
250	PRISCILLA	76	40	8236	
208	9802051	74	36	8128	

2001 CA - EAST CARROLL

200200198

ENTRY	SOURCE	DAYS	INCH	YLD	LDG
232	99LL 113	75	40	8116	
260	RU 9803181	77	37	8101	
255	AHRENT (9901030)	74	43	8061	
202	CL 121	69	38	8055	
244	JACKSON	74	45	7989	
259	RU 9903092	72	40	7984	
251	TORO-2	76	44	7903	
203	CL 141	72	46	7723	
225	0002137	79	42	7701	30
248	SABER (TX 6178)	75	42	7355	
245	JEFFERSON	68	40	7320	
252	DELLROSE	73	41	7307	
239	S-102	66	40	6984	
253	DELLA	76	52	6821	87
246	MAYBELLE	65	40	6417	
201	CF 51	68	35	6408	
254	DELLMATI	69	53	5178	
C.V. %		1.1	4.6	6.1	
LSD (0.05)		1.3	3.1	856.1	

ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	WHOLE	TOTAL	YLD-2	TOTAL YIELD
222	XP-1015	5	74	45		7518	58.5	69.2	2980	10498
219	9802028	3	79	42		8434	66.7	69.0	1816	10250
214	0002174	4	78	33		8629	62.9	70.4	1130	9760
245	JEFFERSON	5	73	35		7200	62.7	69.0	2201	9401
256	RU 9901081	4	77	39		8172	61.4	68.9	1022	9194
229	LL 001	3	82	34		8068	64.9	68.1	1120	9188
210	0102005	4	78	34		7402	64.7	71.3	1739	9142
220	XP-1003	5	77	42		7338	59.5	70.0	1754	9092
247	LAGRUE	4	77	42		7626	60.5	68.4	1430	9056
259	RU 9903092	4	75	34		6273	67.3	71.2	2764	9037
241	WELLS	3	76	41		7949	61.6	68.8	1075	9024
250	PRISCILLA	4	76	36		7004	56.5	68.2	2020	9024
228	0002125	4	84	37		7113	57.4	65.1	1881	8994
202	CL 121	4	74	37		7392	67.3	70.9	1583	8975
240	COCODRIE	4	74	35		7548	62.9	68.6	1422	8970
217	0102068	4	76	35		7313	66.1	70.2	1582	8896
224	9902195	5	83	35		7537	56.7	66.4	1353	8890
204	CL 161	4	79	39		7358	65.2	69.9	1516	8874
246	MAYBELLE	4	71	39		7402	63.2	69.7	1448	8850
258	RU 0104073	5	78	36		6758	65.5	70.1	2081	8840
207	0002062	3	76	34		6660	64.6	71.7	2102	8762
223	9902155	4	83	38		7159	65.7	68.9	1435	8594
226	0002140	4	82	38		7241	52.7	62.2	1326	8567
227	0002146	4	78	40		7495	63.7	66.1	978	8473
234	99LL 355	4	75	35		7167	64.5	70.3	1287	8454
212	0102022	4	76	38		6731	64.4	71.1	1689	8420
215	0102048	4	79	34		6789	67.4	71.2	1622	8411
257	RU 0001151	5	79	37		7063	61.5	65.4	1310	8373
237	BENGAL	3	82	37		7286	59.4	63.5	1025	8310
243	DREW	4	77	43		7160	63.0	69.6	1124	8284
242	CYPRESS	4	78	34		6754	67.4	70.4	1518	8272
208	9802051	3	76	31		6652	66.7	71.7	1611	8263
205	CFX 29	3	79	38		6892	64.5	70.2	1370	8262
236	EARL	3	79	41	17	7499	63.3	66.7	658	8157
206	0002011	3	74	35		6886	67.4	72.0	1217	8103
255	AHRENT (9901030)	4	74	38		6871	63.0	68.6	1222	8093
232	99LL 113	3	74	34		6840	65.1	71.2	1241	8081
216	0102065	4	80	35		7304	61.8	67.4	755	8058
231	LL 601	3	82	35		6917	62.7	67.0	1139	8056
211	0102008	3	75	35		6597	64.3	69.8	1434	8031
233	99LL 184	3	74	35		6448	65.4	71.0	1487	7935
218	0102071	4	78	32		6596	68.7	72.6	1254	7850
238	LAFITTE	4	75	39		6810	69.8	72.0	1026	7836

ENTRY	SOURCE	VIG	DAYS	INCH	LDG	YLD	WHOLE	TOTAL	YLD-2	TOTAL YIELD
209	0102002	4	75	32		6647	64.9	70.8	1167	7814
203	CL 141	4	78	41		6399	66.0	71.6	1408	7807
248	SABER (TX 6178)	4	75	37		5292	67.9	69.7	2470	7762
201	CF 51	4	76	32		6853	65.3	70.3	900	7754
251	TORO-2	4	79	43		6583	60.6	69.2	1117	7699
244	JACKSON	5	77	40		6706	64.5	69.9	991	7697
252	DELLROSE	5	76	38		5792	68.5	71.5	1892	7684
213	0102034	4	75	32		6290	68.4	72.4	1369	7658
235	99LL 624	3	74	34		6370	66.4	71.6	1240	7610
230	LL 401	4	83	33		6448	63.9	66.9	1129	7577
249	LEMONT	5	79	35		6502	66.1	70.7	1022	7524
221	9902134	4	79	39		7069	58.9	67.6	391	7460
260	RU 9803181	5	77	33		6159	69.9	73.0	1231	7390
254	DELLMATI	5	68	40	80	4491	56.9	68.8	1541	6032
239	S-102	4	67	36	90	5300	64.8	72.5	720	6020
225	0002137	4	80	39		5130	57.8	67.0	443	5573
253	DELLA	4	83	52		4831	55.6	68.2	614	5446
C.V. %		12.1	1.3	4.2		9.1	3.8	2.2	22.4	9.2
LSD (0.05)		0.8	1.6	2.5		1008.2	4.1	2.5	501.2	1227.8

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2

2001 CA - CATAHOULA

200200198

ENTRY	SOURCE	VIG	YLD
220	XP 1003	5	7305
213	0102034	5	7028
258	RU 0104073	6	6878
208	9802051	4	6876
256	RU 9901081	4	6860
211	0102008	4	6765
216	0102065	5	6716
210	0102005	4	6697
224	9902195	7	6630
257	RU 0001151	6	6588
248	SABER (TX 6178)	4	6507
223	9902155	5	6487
260	RU 9803181	5	6436
212	0102022	4	6415
215	0102048	4	6375
229	LL 001	3	6357
241	WELLS	3	6308
234	99LL 355	4	6287
206	0002011	5	6278
217	0102068	4	6238
232	99LL 113	4	6060
238	LAFITTE	5	6027
233	99LL 184	3	5944
202	CL 121	5	5925
219	9802028	4	5924
222	XP 1015	5	5900
218	0102071	6	5871
221	9902134	5	5865
247	LAGRUE	4	5856
239	S-102	5	5828
227	0002146	4	5796
235	99LL 624	4	5784
240	COCODRIE	4	5778
214	0002174	5	5767
226	0002140	4	5721
231	LL 601	3	5702
250	PRISCILLA	5	5620
243	DREW	4	5597
251	TORO-2	4	5479
242	CYPRESS	4	5455
203	CL 141	5	5418
207	0002062	4	5402
228	0002125	4	5389

2001 CA - CATAHOULA

200200198

ENTRY	SOURCE	VIG	YLD
204	CL 161	4	5388
205	CFX 29	4	5332
244	JACKSON	7	5255
230	LL 401	4	5247
209	0102002	5	5229
245	JEFFERSON	5	5190
255	AHRENT (9901030)	4	5179
259	RU 9903092	6	5085
249	LEMONT	5	4902
237	BENGAL	3	4902
236	EARL	3	4830
201	CF 51	5	4758
246	MAYBELLE	4	4603
252	DELLROSE	5	4494
254	DELLMATI	6	4180
225	0002137	5	3675
253	DELLA	4	3344
C.V. %		14.1	10.8
LSD (0.05)		1.0	1002.2

1000
400

23

2001 CA

Averaged over locations

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL	
220	XP 1003	5	77	43	8578	17	60.2	70.0	
256	RU 9901081	4	78	41	8569		61.8	68.7	
227	0002146	4	78	41	8441		64.7	67.8	
236	EARL	3	80	42	8310	43	65.3	68.5	
219	9802028	4	81	42	8074		66.3	68.9	
247	LAGRUE	4	78	43	7971		59.5	67.8	
241	WELLS	4	78	41	7901	7	62.6	69.6	
214	0002174	4	80	35	7767		64.2	69.5	
257	RU 0001151	5	79	38	7761		65.6	68.3	
222	XP 1015	5	73	45	7700	70	59.9	70.0	
217	0102068	4	81	37	7690		65.5	69.3	
224	9902195	5	81	36	7682		62.8	69.0	
229	LL 001	3	82	36	7638		66.7	69.7	
237	BENGAL	3	81	38	7604		65.1	68.2	
212	0102022	4	79	38	7603		66.3	71.4	
221	9902134	5	81	41	7531		62.6	68.2	
223	9902155	5	83	39	7491		65.3	68.4	
243	DREW	4	80	44	7448	10	66.0	70.3	
211	0102008	4	75	36	7422		65.6	70.1	
216	0102065	4	80	37	7384		64.3	68.9	
258	RU 0104073	5	80	37	7379		65.0	69.3	
210	0102005	4	77	35	7367		64.5	70.3	
240	COCODRIE	4	76	36	7297		63.5	69.4	
206	0002011	4	75	37	7233	27	67.6	71.9	
215	0102048	4	80	37	7229		67.6	70.5	
234	99LL 355	4	77	36	7198		65.4	70.3	
208	9802051	4	77	34	7167		64.5	69.6	
230	LL 401	4	82	35	7127		67.1	69.8	
238	LAFITTE	4	76	39	7107	17	68.3	70.2	
231	LL 601	3	81	35	7096	7	59.3	69.8	
213	0102034	4	77	34	7055	13	67.8	71.2	
244	JACKSON	5	77	42	7048		62.0	68.7	
226	0002140	4	82	39	7015		58.5	65.7	
218	0102071	5	80	32	7000		66.1	70.8	
251	TORO-2	4	81	43	6984	23	64.1	69.9	
209	0102002	5	74	36	6981	7	63.0	70.3	
245	JEFFERSON	5	72	37	6939	10	64.1	69.9	
233	99LL 184	4	77	36	6929		65.0	70.4	
235	99LL 624	4	76	35	6924	7	65.6	70.7	
250	PRISCILLA	4	78	37	6920		57.7	67.9	
204	CL 161	4	80	38	6892	20	66.0	69.6	
202	CL 121	4	73	37	6891		66.1	70.8	
255	AHRENT (9901030)	4	75	41	6821		63.6	68.7	

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2001 CA

Averaged over locations

200200198

ENTRY	SOURCE	VIG	DAYS	INCH	YLD	LDG	WHOLE	TOTAL	
260	RU 9803181	5	79	35	6820	13	67.8	71.3	
207	0002062	4	78	36	6814		64.1	70.1	
242	CYPRESS	4	81	36	6812		67.0	69.8	
232	99LL 113	4	77	36	6780		65.4	70.8	
203	CL 141	4	77	44	6717	8	64.6	70.0	
205	CFX 29	4	80	38	6655	16	66.8	70.6	
228	0002125	4	84	39	6619		56.1	64.9	
259	RU 9903092	5	76	36	6471		66.1	70.5	
249	LEMONT	5	82	35	6392	17	67.0	71.4	
246	MAYBELLE	4	70	40	6374	40	62.4	69.5	
248	SABER (TX 6178)	4	78	38	6202		67.5	69.4	
252	DELLROSE	5	78	38	6004	17	67.4	70.7	
201	CF 51	5	74	34	5938	18	64.1	69.9	
239	S-102	5	69	38	5725	76	63.9	70.9	
225	0002137	4	82	40	5596	27	56.9	66.7	
253	DELLA	4	82	52	5099	78	59.2	68.2	
254	DELLMATI	5	71	44	4406	59	60.6	69.5	

Vigor - 6 Locations

Days to heading - 6 Locations

Plant height - 6 Locations

Milling - 4 Locations

Entries 220 and 222 - 6 Locations

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200200198

Cereal Chemistry Data Table

OQ#	LAB #	ID	GR TYPE	% amyI	Alk. Avg.	Alk. Min.	Alk. Max.
OQ 697	1086	LL 001	M	13.4	6	6	6
				13.3			
OQ 698	1087	LL 401	M	13.1	5.8	4	6
				13			
OQ 699	1088	LL 601	M	12.8	6.2	6	7
				12.4			
OQ 700	1089	BNGL	M	12.4	6	6	6
				12.4			
OQ 701	1090	CPRS	L	21.3	2.9	2	4
				20.7			
OQ 702	1091	CL 161	L	21.8	4.1	4	5
				21.6			
OQ 703	1092	CCDR	L	23.8	3	3	3
				24			

Registration of 'Cypress' Rice

'CYPRESS' (*Oryza sativa* L.) (Reg. no. CV-91, PI 561734) is a high-yielding, early-maturing long-grain cultivar developed at the Rice Research Station at Crowley, LA, by the Louisiana Agricultural Experiment Station in cooperation with the USDA-ARS, the Arkansas Agricultural Experiment Station, the Florida Agricultural Experiment Station, the Mississippi Agricultural and Forestry Experiment Station, and the Texas Agricultural Experiment Station. Cypress was officially released 1 Mar. 1992.

Cypress originated from the cross 'L-202'/'Lemont' made at the Rice Research Station in 1983. The L-202 (2) parent is an early maturing, semidwarf long-grain cultivar developed by the California Cooperative Rice Research Foundation at the Rice Experiment Station, Biggs, CA. Lemont (1) is an early-maturing, semidwarf long-grain cultivar developed by the USDA-ARS in conjunction with the Texas Agricultural Experiment Station at the Texas A&M University Agricultural Research and Extension Center, Beaumont. Cypress is an F_5 bulk of a single progeny row in the breeding nursery at Crowley in 1986, selection 8621296. It was evaluated in the preliminary yield nursery (experimental designation 8702646) in 1987 and entered in the Cooperative Uniform Regional Rice Nurseries (URRN) in 1988 with the designation RU8802051.

Cypress has a semidwarf plant type and is similar in height to 'Lacassine', Lemont, and 'Gulfmont'. In the URRN grown in Louisiana, Arkansas, Mississippi, and Texas from 1988 to 1991, the average height of Cypress was 96 cm and that of Lacassine, Lemont, Gulfmont, and 'Katy' was 93, 94, 93, and 116 cm, respectively. The flag leaf of Cypress is relatively narrow, remains upright through physiological maturity, and tends to droop as plants approach harvest maturity. Days to heading averages 85 for Cypress, 85 for Lacassine, 87 for Lemont, 85 for Gulfmont, and 88 for Katy (URRN, 1988–1991).

The leaves, lemma, and palea of Cypress are glabrous. The spikelet is straw-colored and awnless. The apiculus is purple at heading, but the color fades as the grain approaches maturity. The grain is nonaromatic and nonglutinous, and has a light brown pericarp. The overall average yield of Cypress in the URRN in the four major rice-producing states in the U.S. South in 1988 to 1991 was 7280 kg ha⁻¹, compared with 7624 for Lacassine, 6918 for Lemont, 7267 for Gulfmont, and 6200 for Katy. In the Louisiana Advanced Yield tests (five locations) for 1988 to 1990, Cypress averaged overall yields of 8251 kg ha⁻¹, compared with 8043 for Lacassine and 7813 for Lemont.

Milling yields (mg g⁻¹ whole kernel/mg g⁻¹ total milled rice) at 120 mg g⁻¹ moisture (1988–1991 URRN average) were 612:702 (61:70%) for Cypress, 580:712 (58:70%) for Lacassine, 608:711 (61:71%) for Lemont, 607:709 (61:71%) for Gulfmont, and 583:684 (58:68%) for Katy. Individual kernel dimensions for Cypress, Lacassine, Lemont, Gulfmont, and Katy are shown in Table 1.

Results from the Cooperative Regional Rice Quality Laboratory at Beaumont indicate that Cypress has typical U.S. long-grain rice cooking quality characteristics, as described by Webb et al. (3). Cypress has an average apparent starch amylose content of 215 g kg⁻¹ and an intermediate gelatinization temperature (70–75 °C), as indicated by an average alkali spreading reaction of 3 in 1.7% KOH.

Cypress is moderately susceptible to rice blast [*Pyricularia grisea* (Cooke) Sacc.] races IB-1, IB-49, and IC-17 and highly

Table 1. Paddy, brown, and milled grain dimensions and weight of Cypress, Lacassine, Lemont, Gulfmont, and Katy rice grown at Crowley, LA, in 1991.

Cultivar	Length	Width	Thick-	L/W	Weight	
	(L)	(W)	ness	ratio		
mm						
<u>Paddy Rice</u>						
Cypress	9.27	2.47	2.01	3.76	25.1	
Lacassine	9.67	2.67	2.03	3.62	27.2	
Lemont	9.33	2.80	1.94	3.33	27.4	
Gulfmont	9.53	2.87	1.97	3.33	25.2	
Katy	9.07	2.53	1.92	3.58	23.7	
<u>Brown Rice</u>						
Cypress	7.27	2.27	1.81	3.20	21.0	
Lacassine	7.67	2.34	1.82	3.28	22.3	
Lemont	7.80	2.47	1.74	3.16	23.4	
Gulfmont	7.80	2.40	1.83	3.25	23.6	
Katy	7.67	2.27	1.71	3.38	19.0	
<u>Milled Rice</u>						
Cypress	7.00	2.20	1.71	3.18	17.9	
Lacassine	7.20	2.20	1.85	3.27	19.0	
Lemont	7.13	2.33	1.67	3.06	20.3	
Gulfmont	7.33	2.26	1.73	3.24	21.4	
Katy	6.93	2.07	1.65	3.36	15.4	

resistant to races IG-1, IH-1, IB-33, IB-54, and ID-13. It is susceptible to sheath blight (*Rhizoctonia solani* Kühn), highly resistant to narrow brown leaf spot (*Cercospora oryzae* Miyake), moderately susceptible to leaf smut (*Entyloma oryzae* Syd. & P. Syd.), and moderately resistant to the physiological disorder straighthead.

Variants observed and removed from increase fields of Cypress included any combination of the following: taller, pubescent, earlier, later, intermediate grain type, and medium grain type. The total number of variants numbered fewer than 1 per 5000 plants.

Breeder and foundation seed of Cypress will be maintained by the Louisiana State University Agricultural Center, Louisiana Agricultural Experiment Station, Rice Research Station, P.O. Box 1429, Crowley, LA 70527-1429. Limited quantities of seed are available upon request to the corresponding author.

S. D. LINSCOMBE,* F. JODARI, K. S. MCKENZIE, P. K. BOLLICH, L. M. WHITE, D. E. GROTH, AND R. T. DUNAND
(4)

References and Notes

1. Bollich, C.N., B.D. Webb, M.A. Marchetti, and J.E. Scott. 1985. Registration of Lemont rice. *Crop Sci.* 25:883–885.
2. Tseng, S.T., H.L. Carahan, C.W. Johnson, J.J. Oster, J.E. Hill, and S.C. Scardaci. 1984. Registration of L-202 rice. *Crop Sci.* 24:1213–1214.
3. Webb, B.D., C.N. Bollich, H.L. Carnahan, K.A. Kuenzel, and K.S. McKenzie. 1985. Utilization characteristics and qualities of United States rice. p 25–35. *In* Rice grain quality and marketing. IRRI, Manila, Philippines.
4. Linscombe, S.D., F. Jodari, P.K. Bollich, L.M. White, D.E. Groth, and R.T. Dunand, Rice Research Station, P.O. Box 1429, Crowley, LA 70527-1429; and K.S. McKenzie, Rice Experiment Station, P.O. Box 306, Biggs, CA 95917. Approved for publication by the Director of the Louisiana Agricultural Experiment Station, Manuscript no. 92-86-9312. Research supported in part by the Louisiana Rice Research Board. Registration by CSSA. Accepted 30 Sept. 1992 *Corresponding author.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBITE E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
LSU AgCenter	CFX18	CL161
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)
LSU AgCenter Rice Research Station 1373 Caffey Road Rayne, LA 70578	337/788-7531	337/788-7553
7. PVPO NUMBER		200200198

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain

YES

9. Is the applicant (individual or company) a U.S. National or a U.S. based company? If no, give name of country

YES NO

10. Is the applicant the original owner?

YES NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

YES NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

YES NO If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

Owned by the Louisiana State University Agricultural Center.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

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